

ENHANCED OIL RECOVERY SCOPING STUDY

1999 – TR-113836

Abstract

This industry segment was characterized in depth, and a number of near-term and longer term opportunities were identified. There is also Pinch (thermal integration) opportunities at natural gas liquids recovery and steam generation operations associated with EOR projects.

Key Opportunities

- (1) Sales efforts to capitalize on staff cuts/softening of biases that favored gas drives over electric and
- (2) directed at firms that could benefit from the trend to outsourcing compression operations,
- (3) Linking electric charges to oil prices for oil and /or gas share,
- (4) Donation of low cost pump timers to assist hard pressed customers save electricity/maintenance costs,
- (5) Assist in projects to speed introduction of pumps for fluid mixtures to save capital/electricity,
- (6) Focus efforts both on regions of the country where CO₂EOR is expected to increase (Texas, New Mexico, Kansas, Oklahoma, Utah and Wyoming) and individual successful EOR operations of all other types, which should continue to expand even if aggregate production is declining,
- (7) Focus efforts on small companies entering the business (JP Oil, Mitchell Energy and Wiser Oil),
- (8) Consider supporting coalbed methane enhanced recovery which should grow rapidly using CO₂, N₂, and/or utility flue gas (which could be economic even without carbon tax credits) (potential in many states), and
- (9) Consider supporting EOR using utility flue gas derived CO₂, which should be economic with a carbon tax..